

A large, irregular blue ink splash or watercolor blotch serves as the background for the text. The splash is centered and has a textured, painterly appearance with various shades of blue and white. The text is white and centered within the splash.

# American Concrete Institute – UDC Student Chapter

Presenter: Richmond Calapano

Advisor: Lei Wang

# About ACI:

- Founded in 1904, the American Concrete Institute is a leading authority and resource worldwide for the development, dissemination, and adoption of its consensus-based standards, technical resources, educational & training programs, certification programs, and proven expertise for individuals and organizations involved in concrete design, construction, and materials, who share a commitment to pursuing the best use of concrete. ACI has more than 100 chapters, 243 student chapters, and 30,000 members spanning over 120 countries.

# Student Competition

- Concrete Solutions Competition (Virtual)
- Egg Protection Device
- FRC Bowling Ball
- Pervious Concrete Cylinder
- Travel Stipend up to \$5,000

# Concrete Solutions Competition 2020



## 2020 ACI Concrete Solutions Competition



Richmond  
Calapano  
(President)



Marcel  
Gahouma  
(Vice  
President)



Iris  
Hernandez  
(Treasurer)



Andrae  
Harris  
(Secretary)



Natalie  
Gallo  
(Social Media)



Skarleth  
Vasquez  
(Conference  
Chair)



Mubarek  
Abdela  
(ACI  
Member)

University of the District of Columbia

Faculty Advisor: Dr. Lei Wang

Team ID: UDC



## UDC Team Solution

Our team is proposing a business model that offers 3D printing as a service for the concrete industry in two main ways:

1. Our company will rent out 3D printing machinery as a key part of our service.
2. Our company will provide a team of talented engineers to operate the machines as needed.



# Award



- The ACI Award for University Student Activities identifies the universities that qualify for excellent or outstanding status, based on points received for their participation in select ACI-related activities/programs.
- Universities that have earned 12 or more points will be recognized with the Excellent University Award, whereas universities that earned 6 to 11 points will be recognized with the Outstanding University Award.

# ACI Foundation Scholarships & Fellowships

- \$5,000 Scholarship
- \$10,000 – \$15,000 Fellowship(Includes mentoring, internship, convention registration, and travel stipend)

# Become a member today!

BECOME AN OFFICIAL MEMBER NATIONALLY:

[www.concrete.org/students](http://www.concrete.org/students)

ACI UDC STUDENT CHAPTER:

[https://docs.google.com/forms/d/e/1FAIpQLScXY9V2sfQMrlnhlxKewe8Q\\_LKDEFoY4BZbpNDuCT8VquYDRg/viewform?usp=sf\\_link](https://docs.google.com/forms/d/e/1FAIpQLScXY9V2sfQMrlnhlxKewe8Q_LKDEFoY4BZbpNDuCT8VquYDRg/viewform?usp=sf_link)

If you have any question, simply reach out to me

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